

Title (en)

Process for the preparation of salts of ascorbyl-2-phosphoric acid esters

Title (de)

Verfahren zur Herstellung von Salzen von Ascorbyl-2-phosphorsäureestern

Title (fr)

Procédé de préparation de sels d'esters d'acides ascorbyl-2-phosphoriques

Publication

EP 0972777 A3 20001227 (DE)

Application

EP 99113322 A 19990709

Priority

DE 19831056 A 19980713

Abstract (en)

[origin: EP0972777A2] Production of sodium, potassium, magnesium or aluminum ascorbyl-2-phosphate salts (I) comprises: (a) dissolving calcium L-ascorbyl-2-phosphate (Ia) in an aqueous solution of an ascorbyl-2-phosphate (II) at pH 0.5-4, (b) removing calcium ions from the solution, (c) adjusting the solution to pH 7-11 with a sodium, potassium, magnesium or aluminum salt, and (d) isolating the product. Production of sodium, potassium, magnesium or aluminum ascorbyl-2-phosphate salts of formula (I) comprises: (a) dissolving a calcium L-ascorbyl-2-phosphate of formula (Ia) in an aqueous solution of an ascorbyl-2-phosphate of formula (II) at pH 0.5-4, (b) removing calcium ions from the solution, (c) adjusting the solution to pH 7-11 with a sodium, potassium, magnesium or aluminum salt, and (d) isolating the product. M = Na, K, Mg or Al; P = a group of formula (i)-(iii); k x m = 3-5; and P<1> = H₂PO₃, H₃P₂O₆ or H₃P₃O₉.

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C07F 9/655

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Citation (search report)

- [DA] EP 0582924 A1 19940216 - BASF AG [DE]
- [DA] WO 9113895 A1 19910919 - HOFFMANN LA ROCHE [CH]
- [DA] DATABASE WPI Section Ch Week 9025, Derwent World Patents Index; Class B03, AN 197993, XP002151627

Cited by

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